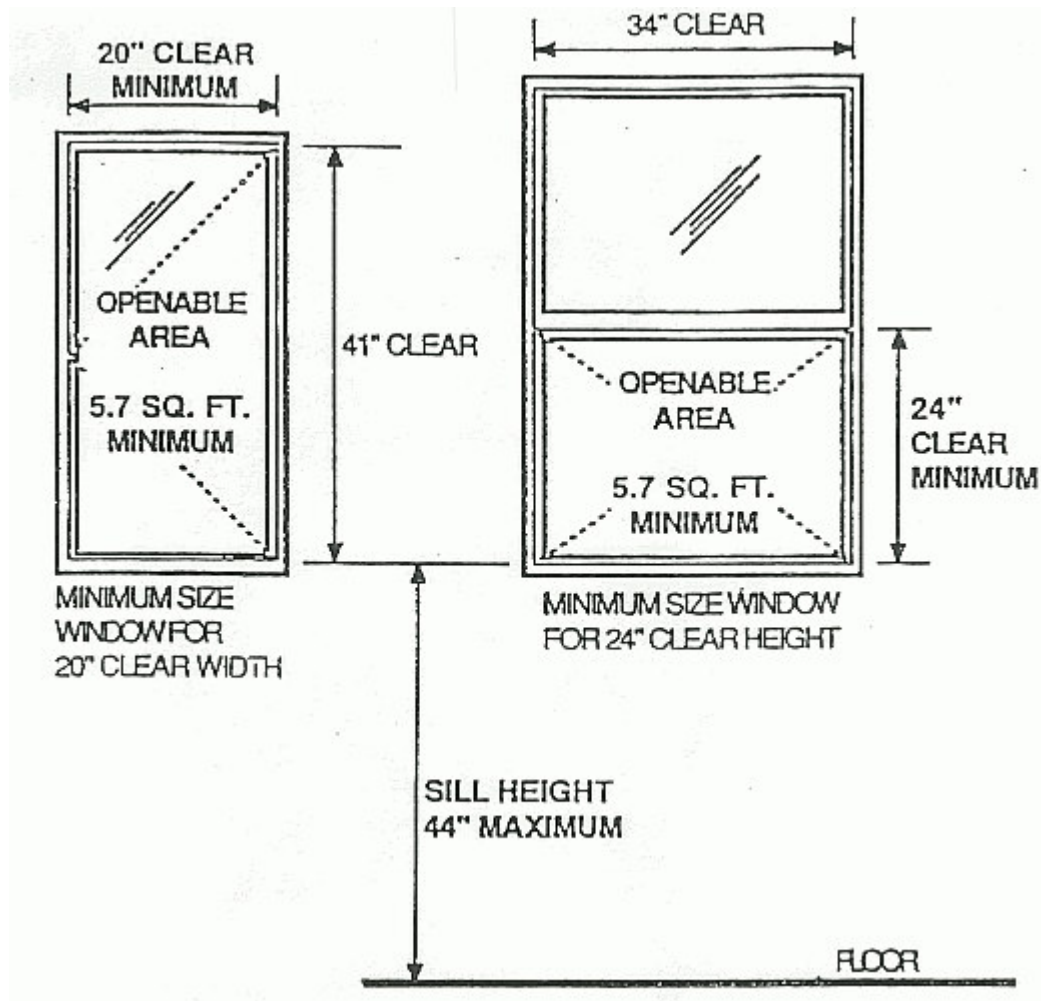


SLEEPING ROOM EGRESS WINDOW INFORMATION



WINDOW WELL REQUIREMENTS

The clear horizontal dimensions of a window well shall allow the emergency escape and rescue opening to be fully opened and provide a minimum accessible net clear opening of 9 square feet (0.84 square meters), with a minimum dimension of 36 inches (914 mm).

Window wells with a vertical depth of more than 44 inches (1118 mm) shall be equipped with and approved permanently affixed ladder or steps. Ladders or rungs shall have an inside width of at least 12 inches (305 mm), and shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center vertically for the full height of the window well. The ladder or steps shall not encroach into the required dimensions of the window well by more than 6 inches (152 mm). The ladder or steps shall not be obstructed by the emergency escape and rescue opening.

SLEEPING ROOM EGRESS WINDOW INFORMATION

Example 1:

The height of the clear opening is 24 inches. What is the required width in order to comply with Section R-210.2?

Solution:

$$\text{Area} = W \times H$$

$$H = 2 \text{ feet (24 inches)}$$

$$\text{Minimum Area} = 5.7 \text{ ft}^2$$

$$\text{Substituting: } 5.7 \text{ ft}^2 = W \times 2$$

$$\text{Minimum Width (W)} = 5.7 \text{ ft}^2 / 2 = 2.85 \text{ ft}$$

$$\text{Minimum Width} = 2.85 \text{ ft} \times 12 \text{ inches} = 34 \frac{1}{4} \text{ inches}$$

Example 2:

The width of the clear opening is 20 inches. What is the required height in order to comply with Section R-210.2?

Solution:

$$W = 1.67 \text{ ft (20 inches)}$$

$$\text{Minimum Area} = 5.7 \text{ ft}^2$$

$$\text{Area} = H \times W$$

$$\text{Substituting: } H \times 1.67 \text{ ft} = 5.7 \text{ ft}^2$$

$$\text{Minimum Height (H)} = 5.7 \text{ ft}^2 / 1.67 \text{ ft} = 3.41 \text{ ft}$$

$$\text{Minimum Height} = 3.41 \text{ ft} \times 12 \text{ inches} = 41 \text{ inches}$$

Should the window be a grade floor window (defined in Section R-115), the 5.0 ft² area requirement would be substituted for the 5.7 ft² requirement in Examples 1 and 2. Figure R-210.2 illustrates the dimensional requirements for grade floor emergency egress windows.

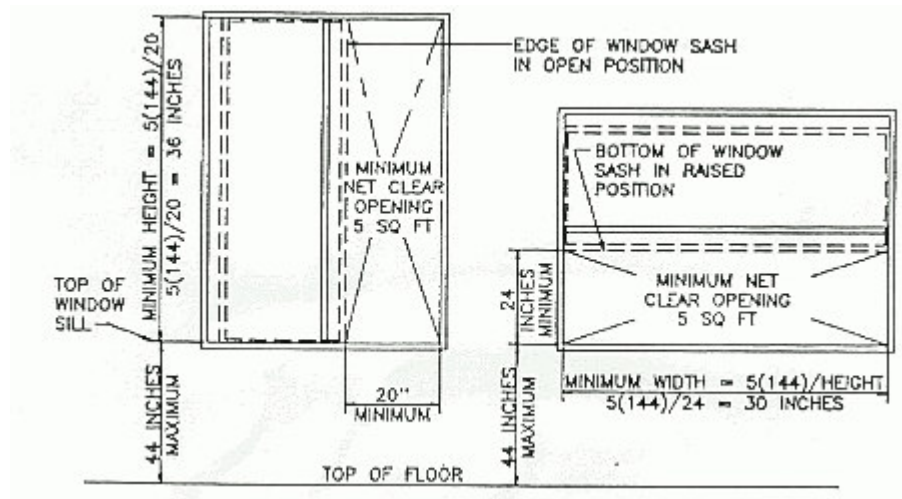


Figure R-210.2
GRADE FLOOR EMERGENCY EGRESS WINDOWS